

# ENVIROPLAS® ENV07-NC520

Polybutylene Terephthalate

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, 33% Fiberglass Reinforced, Impact Modified,  
Good Chemical Resistance, RoHS Compliant  
NC520 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.  
The ENV07 Series Products Are Available With Mold Release and/or UV Stabilizer.  
Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Impact Modifier		
Features	Good Chemical Resistance		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Ash Content	33	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	97.9	MPa	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	206	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.10	%	

Rear Temperature	238 to 254	°C
Middle Temperature	243 to 266	°C
Front Temperature	249 to 271	°C
Nozzle Temperature	243 to 266	°C
Mold Temperature	65.6 to 87.8	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	50 to 80	rpm

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#### Recommended distributors for this material

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